HABITAT Division - Vegetated

Class	Formation (NM Habitat)	NM Code
Forest (Generally, >60% canopy cover, crowns interlocking)	Coniferous plantation or shelterbelt-Forest	CPLF
	Mixed plantation or shelterbelt-Forest	MPLF
	Coniferous/Pine-Forest	CNPF
	Coniferous/Deciduous - Forest	CNDF
	Evergreen/Red Cedar-Forest	EVCF
	Lowland Deciduous-Forest	LODF
	Upland Deciduous-Forest	UPDF
	Permanently flooded lowland deciduous-Forest	FLDF
	Lowland Deciduous Island	LODI
Woodland (Open 25-60% canopy cover)	Maintained parkland	MPRK
	Deciduous plantation or orchard	DCPL
	Coniferous plantation or shelterbelt-Woodland	CPLW
	Mixed plantation or shelterbelt-Woodland	MPLW
	Coniferous/Pine-Woodland	CNPW
	Coniferous/Deciduous – Woodland	CNDW
	Evergreen/Red Cedar-Woodland	EVCW
	Lowland Deciduous-Woodland	LODW
	Upland Deciduous-Woodland	UPDW
	Permanently flooded lowland deciduous-Woodland	FLDW
Shrubland	Upland Deciduous-Shrubland	UPSH
	Lowland Deciduous-Shrubland	LOSH
	Shrub marsh - Shrubland	WTSH
Herbaceous	Tallgrass prairie	TALP
	Midgrass prairie	MIDP
	Tallgrass savanna	TLSV
	Midgrass savanna	MDSV
	Sedge meadow (seasonally flooded)	SEG
	Wetland/vegetated wetland (cattails, bulrush, etc.)	WTCT
	Wetland/floating leaved plants	WTFL
	Wetland/dry	WTDR
	Fen wetland	FEN
	Cool-season grass (brome, Kentucky Bluegrass)	CSGR
	Golf course	GOLF
	Cemetery	CEM
Sparse Vegetation	Open bluff/cliff	BLF
	Algific talus slopes	ALG
	Sparsely vegetated sand/mud flats	MUD
	Lake shore	LKSH
Constructed/Artificial	Non-farm yards	NFYD
	Farm yards	FMYD
	Schoolyards	SCHL
	Commercial/industrial	COMI
	Residential	RESD
	Business Park	BUSP

Agricultural Lands	Row crop (corn, soybeans, oats)	ROWC
	Pasture/hay/CRP	PAST
	Woody fencerow	WDFC
	Grass fencerow	GRFC
	Mixed woody/grass fencerow	MXFC
	Grassed waterway or terrace	GRSS
	Drainage ditch	DICH

Division - Water

Class	Formation (NM Habitat)	NM Code
Open Water	Pond/impoundment	POND
	Open water (reservoir or lake)	OPNW
	River/stream (bordered by trees/shrubs)	RIVR
	Open riverine (bordered by non-woody vegetation)	ORIV

Iowa Naturemapping (NM) Codes for Raptor Species

family	scientific name	common name	NM code
Cathartidae	*Cathartes aura*	turkey vulture	TUVU*
Accipitridae	*Pandion haliaetus*	osprey	OSPR
	Ictinia mississippiensis	Mississippi kite	MIKI
	Haliaeetus leucocephalus	bald eagle	BAEA
	Circus cyaneus	northern harrier	NOHA
	Accipiter striatus	sharp-shinned hawk	SSHA
	Accipiter cooperii	Cooper's hawk	COHA
	Buteo lineatu	red-shouldered hawk	RSHA
	Buteo platypterus	broad-winged hawk	BWHA
	Buteo swainsoni	Swainson's hawk	SWHA
	Buteo jamaicensis	red-tailed hawk	RTHA
Falconidae	*Falco sparverius*	American kestrel	AMKE
	Falco columbarius	merlin	MERL
	Falco peregrinus	peregrine falcon	PEFA
Tytonidae	*Tyto alba*	barn owl	COBO
Strigidae	*Otus asio*	eastern screech owl	EASO
	Bubo virginianus	great horned owl	GHOW
	Speotyto cunicularia	burrowing owl	BUOW
	Strix varia	barred owl	BAOW
	Asio otus	long-eared owl	LEOW
	Asio flammeus	short-eared owl	SEOW

*Vultures are not in the raptor group, but will elicit a defensive response from peregrine falcons.

<p style="text-align: center;">**DNR VWMP – Peregrine Falcon Nesting Instructions**</p>

Materials: Binoculars, Spotting scope, Data sheet, Instructions, Field code sheet, Pencil, Field guide.

<u>DO ONCE</u>
Sections On Data Sheet: Observer, Location Information
Step 1: Select potential sites to survey. Select a site(s) that is:
- within the peregrine's historic nesting range in Iowa,
- a known urban nesting location,
- an area where a release has been completed, or
- an area where a nest box has been installed. (See the enclosed map.)

Step 2: Map the Nest Site– Getting UTM coordinates

Get UTMs

1. Mark the location of colony on a map (sportsman's atlas, topo, plat map) and make note of the surrounding landscape. With the plat map or sportsman's atlas you can easily determine your Tier (Township), range and section which you can then plug into ortho.gis.iastate.edu. You can then pinpoint the nest location here and get your UTM coordinates.

2. Mark the nest location on a detailed map and send to the wildlife diversity program and we will determine your UTM coordinates. 1436 255th St., Boone, IA 50036

3. Mark nest location with GPS unit –make sure it is recording UTMS and is using the NAD 83 datum.

<u>DO TWICE EACH YEAR</u>
Sections On Data Sheet: Observations, Wind, Sky, Habitat, Human Activity, Other Raptors, Peregrine Activity, Comments

Step 3: Visit the Nest Twice and Collect Species and Habitat Data

Visit the nest site twice – First Visit: March 15-April 15, Second Visit: June 1-30

Fill out a data sheet for each visit each year – 2 Data sheets per year.

Bring some friends – the more eyes the better, just so it is not disturbing to the birds.

A) Record Environmental (Date, Begin and End Time, Wind, and Sky) and Habitat Data. The first visit note the predominant habitat surrounding the nest ("NM Code for below cliff/structure area") as well as details about distance from and type of water, the nest orientation and height. This information is not likely to change between visits and may not change much from year to year so it is a good idea to keep track of this so you stay consistent - you may even want to create copies of the data sheet with this already filled in and then you can just note any changes.

B) Spend 1 HOUR observing nest site.
- Record human activity and write details of what kind of activity ion explanation box.
- Record any other raptors in the vicinity of the nest site and record their activity (flying, perching, nesting, interacting with peregrine)
- Record Peregrine Activity
  # of Adults: If there are any present also note leg band color
  # of immatures
  # of Young in nest: If you can tell from the ground. IF YOU DO NOT KNOW LEAVE BLANK. If you know that the nest failed and did not produce any young record a "0".
- Check off all nesting behavior.

<p style="text-align: center;">**ENTER** (http://programs.iowadnr.gov/vwmp/default.asp) **OR SEND IN DATA BY AUGUST 1ST:**</p>

<p style="text-align: center;">**Wildlife Diversity Program, Attn: VWMP, 1436 255th St., Boone, IA 50036**</p>